WHAT IS CLAIMED IS:

1. A bioactive glass having a composition substantially comprising 30 to 60 mol % of CaO, 40 to 70 mol % of SiO_2, and 20 mol % or less of Na_2O.

2. The bioactive glass according to claim 1, further comprising CaF_2.

3. The bioactive glass according to claim 1, further comprising B_2O_3.

4. The bioactive glass according to claim 1, wherein said bioactive glass has a glass transition temperature of 790°C or lower.

5. The bioactive glass according to claim 1, wherein a difference between its glass transition temperature and its crystallization initiation temperature is 80°C or more.

6. The bioactive glass according to claim 1, wherein said bioactive glass generates a β-wollastonite crystal at a crystallization temperature.

7. A bioactive glass having a composition substantially comprising 30 to 60 mol % of CaO, 40 to 70 mol % of SiO_2, and at least one of Na_2O, CaF_2 and B_2O_3, Na_2O being 20 mol % or less, CaF_2 being 1 mol %, and B_2O_3 being 5 mol % or less.

8. The bioactive glass according to claim 1, wherein said bioactive glass is substantially free from P_2O_5.

9. The bioactive glass according to claim 7, wherein said bioactive glass is substantially free from P_2O_5.

10. A sintered calcium phosphate glass comprising the bioactive glass recited in claim 1 as a sintering aid.

11. The sintered calcium phosphate glass according to claim 10, wherein said sintered calcium phosphate glass comprises a calcium phosphate of a hydroxyapatite, a carbonated apatite or tricalcium phosphate.